

pctca2017050475-seq1
SEQUENCE LISTING

<110> GRIFFON PHARMACEUTICALS INC.

Peri, Krishna G.

<120> PEGYLATED BIOACTIVE PEPTIDES AND USES THEREOF

<130> 43370-004

<150> US 62/324,600

<151> 2016-04-19

<160> 27

<170> PatentIn version 3.5

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<212> PRT

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<222> (2)..(2)

<223> Xaa at position 2 is Ala, D-Ala, Ser, or alpha aminoisobutyric acid (Aib)

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<222> (8)..(8)

<223> Xaa at position 8 is Asn, Asp, Ala, Gln, Ser or Aib

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<222> (9)..(9)

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<222> (11)..(11)

<223> Xaa at position 11 is Arg or L-Homoarginine (Har)

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<223> Xaa at position 12 is Lys or L-Ornithine (Orn);

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<223> Xaa at position 15 is Gly or Ala

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<223> Xaa at position 26 is Ile or Ala

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<223> Xaa at position 27 is Met, Leu or Norleucine

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<222> (28)..(28)

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<222> (29)..(29)

<223> Xaa at position 29 is Lys, Arg, Orn, Har or Agmantine

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Leu Xaa Ala Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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Leu Ser Xaa Arg Xaa Ala Leu Gln Asp Ile Leu Ser Lys Xaa

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<222> (30)..(30)

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Leu Ser Ala Arg Xaa Ala Leu Gln Asp Ile Leu Ser Lys Xaa

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<222> (29)..(29)

<223> Xaa at position 29 is L-Homoarginine modified at the carboxy-terminal with NH2

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Leu Ser Ala Arg Xaa Ala Leu Gln Asp Ile Leu Ser Xaa

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<222> (31)..(31)

<223> Xaa at position 31 is Cys conjugated to a PEG polymer of about 2 kDa and modified at the carboxy-terminal with NH₂

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Leu Ser Ala Arg Xaa Ala Leu Gln Asp Ile Leu Xaa Arg Xaa

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Leu Ser Ala Arg Xaa Ala Leu Xaa Asp Ile Leu Ser Arg Xaa

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<222> (12)..(12)

<223> Xaa at position 12 is L-Ornithine

<220>

<221> misc_feature

<222> (21)..(21)

<223> Xaa at position 21 is L-Ornithine

<220>

<221> misc_feature

<222> (22)..(22)

<223> Xaa at position 22 is Cys conjugated to a PEG polymer of about 2 kDa

<220>

<221> misc_feature

pctca2017050475-seq1

<222> (30)..(30)

<223> Xaa at position 30 is Asn modified at the carboxy-terminal with NH2

<400> 22

Tyr Xaa Asp Ala Ile Phe Thr Ala Xaa Tyr Arg Xaa Val Leu Ala Gln

1 5 10 15

Leu Ser Ala Arg Xaa Xaa Leu Gln Asp Ile Leu Ser Arg Xaa

20 25 30

<210> 23

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (2)..(2)

<223> Xaa at position 2 is D-Ala

<220>

<221> misc_feature

pctca2017050475-seq1

<222> (9)..(9)

<223> Xaa at position 9 is Cys conjugated to a PEG polymer of less than or equal to about 5 kDa

<220>

<221> misc_feature

<222> (12)..(12)

<223> Xaa at position 12 is L-Ornithine

<220>

<221> misc_feature

<222> (21)..(21)

<223> Xaa at position 21 is L-Ornithine

<220>

<221> misc_feature

<222> (29)..(29)

<223> Xaa at position 29 is L-Homoarginine modified at the carboxy-terminal with NH2

<400> 23

Tyr Xaa Asp Ala Ile Phe Thr Ala Xaa Tyr Arg Xaa Val Leu Ala Gln

1 5 10 15

Leu Ser Ala Arg Xaa Ala Leu Gln Asp Ile Leu Ser Xaa

20 25

<210> 24

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (2)..(2)

<223> Xaa at position 2 is D-Ala

<220>

<221> misc_feature

<222> (9)..(9)

<223> Xaa at position 9 is Cys conjugated to a PEG polymer of about 40 kDa

<220>

<221> misc_feature

<222> (12)..(12)

<223> Xaa at position 12 is L-Ornithine

<220>

<221> misc_feature

<222> (21)..(21)

<223> Xaa at position 21 is L-Ornithine

<220>

pctca2017050475-seq1

<221> misc_feature

<222> (29)..(29)

<223> Xaa at position 29 is L-Homoarginine modified at the carboxy-terminal with NH2

<400> 24

Tyr Xaa Asp Ala Ile Phe Thr Ala Xaa Tyr Arg Xaa Val Leu Ala Gln

1 5 10 15

Leu Ser Ala Arg Xaa Ala Leu Gln Asp Ile Leu Ser Xaa

20 25

<210> 25

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (29)..(29)

<223> Xaa at position 29 is Arg modified at the carboxy-terminal with NH2

pctca2017050475-seq1

<400> 25

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln

1 5 10 15

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Xaa

20 25

<210> 26

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<220>

<221> misc_feature

<222> (33)..(33)

<223> Xaa at position 33 is Leu modified at the carboxy-terminal with NH₂

<400> 26

Tyr Ala Asp Ala Ile Phe Thr Asn Ser Tyr Arg Lys Val Leu Gly Gln

1 5 10 15

pctca2017050475-seq1

Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly

20

25

30

Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Xaa

35

40

<210> 27

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide

<400> 27

Gln Gln Gly Glu Ser Asn Gln Glu Arg Gly Ala Arg Ala Arg Leu

1

5

10

15